

SYSTEM AND METHOD FOR DYNAMICALLY SWITCHING QUALITY SETTINGS OF A CODEC TO MAINTAIN A TARGET DATA RATE

Abstract of the Disclosure

A video compression system includes a compression module to compress each of a plurality of segments of an input signal using an initial quality setting. A rate calculation module calculates, for each compressed segment, a data rate for an output signal that would result from adding a compressed segment to the output signal. A selection module automatically selects, in response to the calculated data rate deviating from a target range, a quality setting for each segment that results in a data rate this is within the target range when a segment compressed using the automatically-selected quality setting is added to the output signal.